

Optical dupl x r

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Abstract

The duplexer includes a carrier of single crystal silicon (1) with one surface having two anisotropic etched V-grooves. Respective optical fibre waveguides (12,13) are received in the grooves, with the end faces of the V-grooves being provided by a plane parallel plate (15) of the carrier material with a filter layer on at least one side. The rear side of the plate limits a through opening (7) provided in the carrier from both sides using an anisotropic etching process.

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